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CERTIFICATE OF ANALYSIS

PRODUCT NAME & SKU: Babassu Oil TSK-BUT049

CERTIFICATE OF ANALYSIS

PRODUCT NAME: BABASSU OIL, REFINED
LOT NUMBER: LOT0025556
PRODUCT INCI: ORBIGNYA OLEIFERA SEED OIL
PRODUCT CODE: K0045
CAS NUMBER: 91078-92-1
EINECS NUMBER: 293-376-2
MANUFACTURING METHOD: EXPPELLER PRESSED, REFINED
MANUFACTURING DATE: 28/01/2025
BEST BEFORE DATE: 28/01/2027

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID (PALE YELLOW BUTTER @ LESS THAN 20°C)	COMPLIES
ODOUR	ODOURLESS	COMPLIES
COLOUR	LIGHT YELLOW	COMPLIES
COLOUR LOVIBOND (5¼" CELL)	≤ 15y, 3.5r	5.0Y, 0.6R
REFRACTIVE INDEX @ 40°C	1.440 – 1.465	1.447
FREE FATTY ACID (% AS OLEIC)	< 0.5	0.08
PEROXIDE VALUE (MEQ O ₂ / KG)	<10.0	0.0
IODINE VALUE	10.0 – 22.0	16.2
ACID VALUE	<1.0	0.16
SAPONIFICATION VALUE (MG KOH/GR)	245.0 – 256.0	251.5

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C8:0	CAPRYLIC ACID	2.6 – 10.0	4.6
C10:0	CAPRIC ACID	1.2 – 7.8	5.1
C12:0	LAURIC ACID	37.00 – 55.00	44.4
C14:0	MYRISTIC ACID	11.0 – 27.0	16.4
C16:0	PALMITIC	5.2 – 11.2	9.2
C18:0	STEARIC	1.7 – 11.0	3.9
C18:1	OLEIC	6.5 – 20.0	13.6
C18:2	LINOLEIC	1.4 – 6.7	2.5

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